

FIG. 1
PRIOR ART

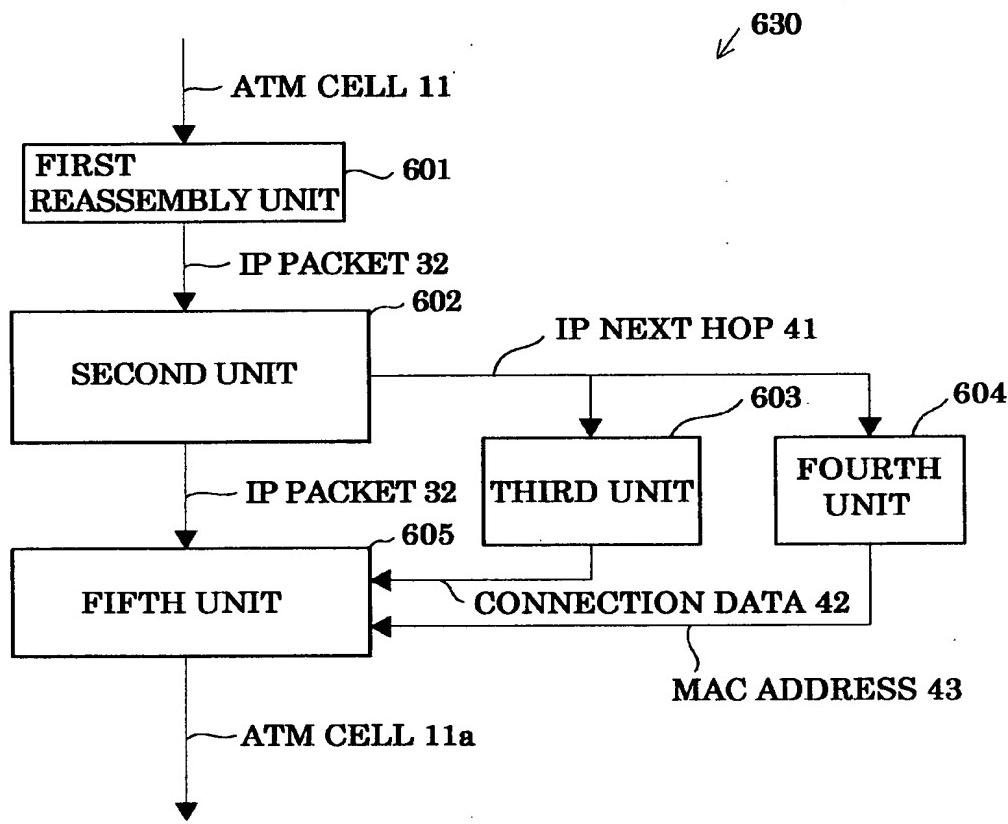


FIG. 2
PRIOR ART

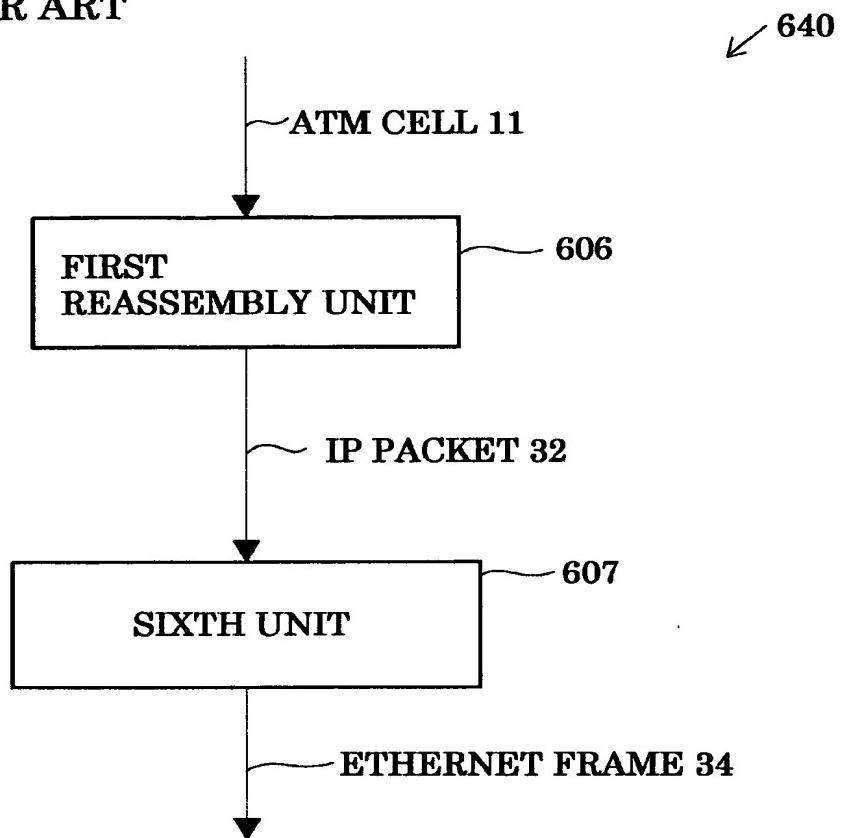


FIG. 3
PRIOR ART

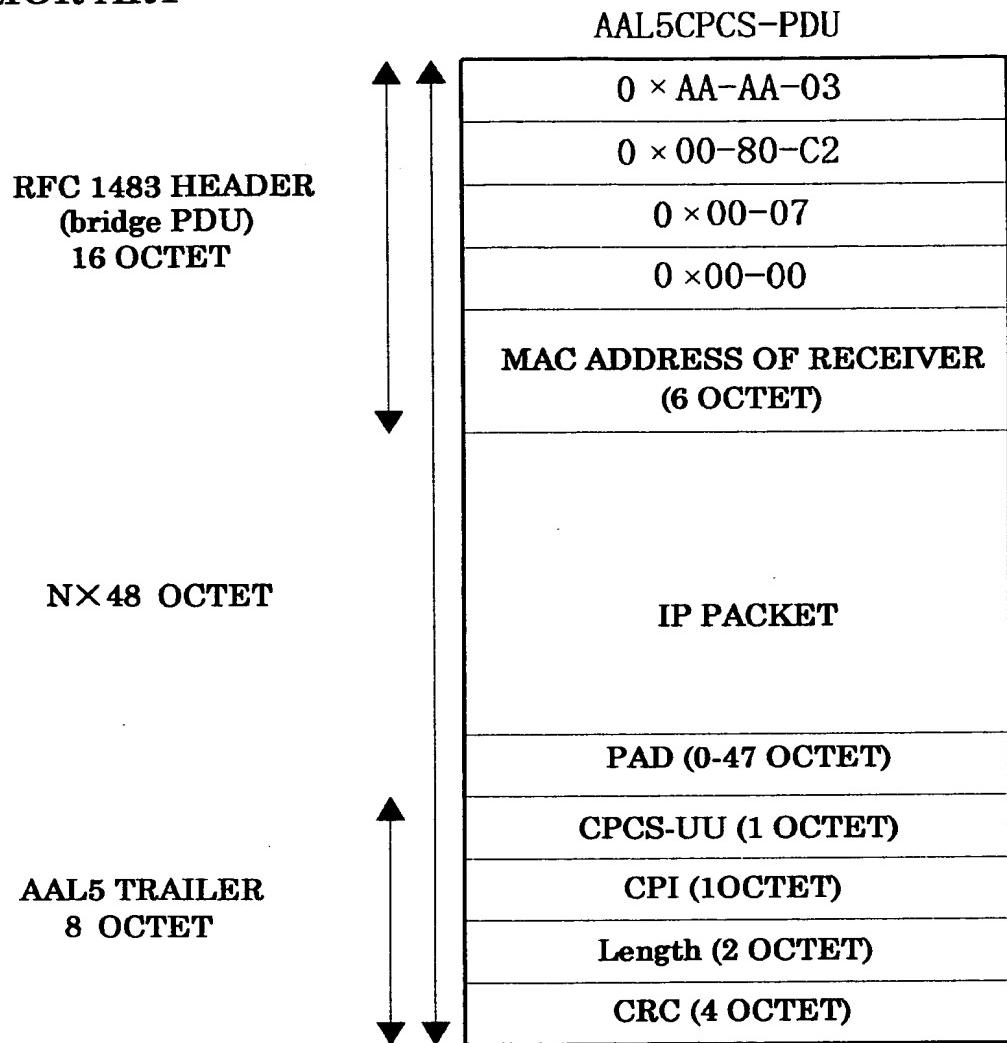


FIG. 4

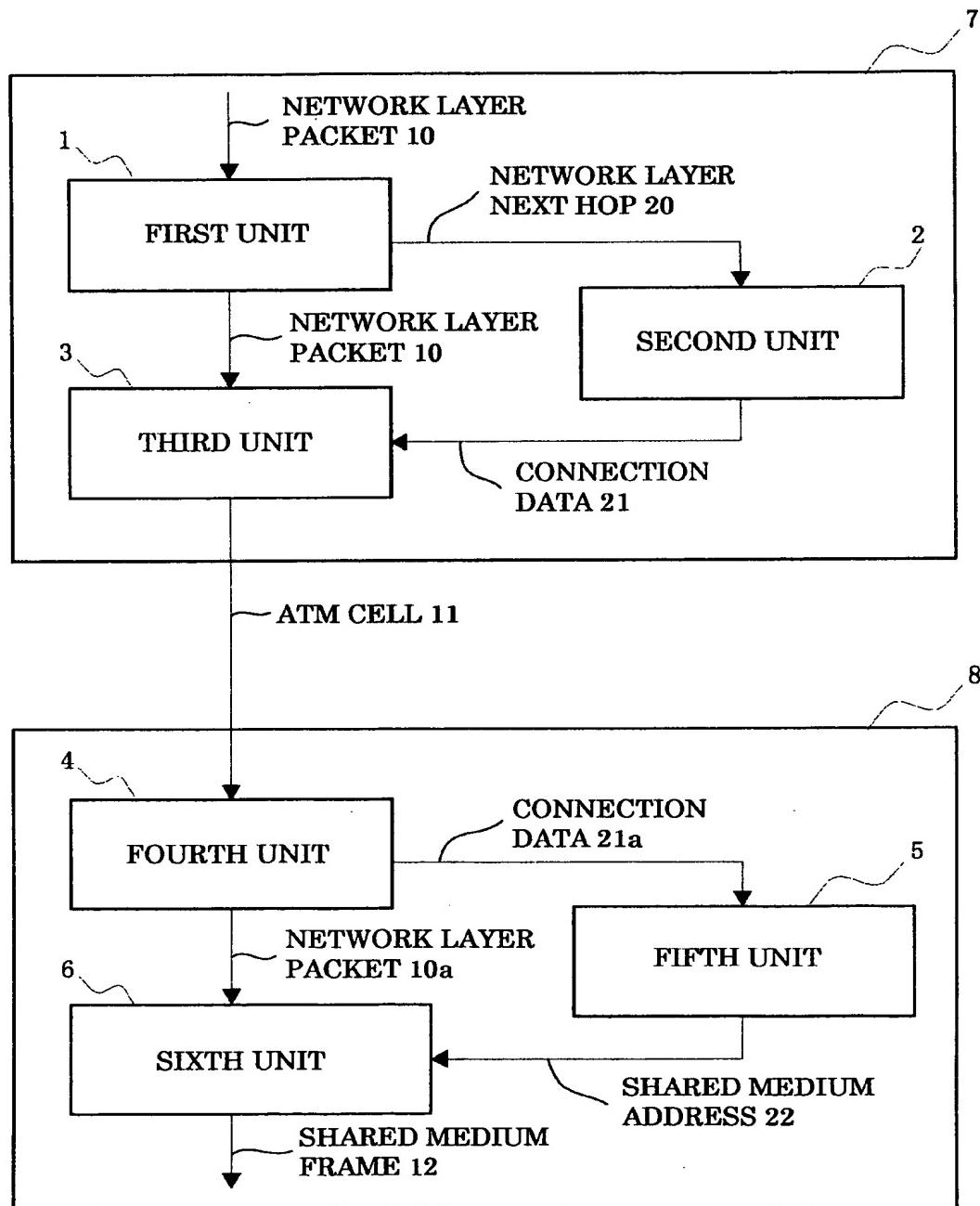


FIG. 5

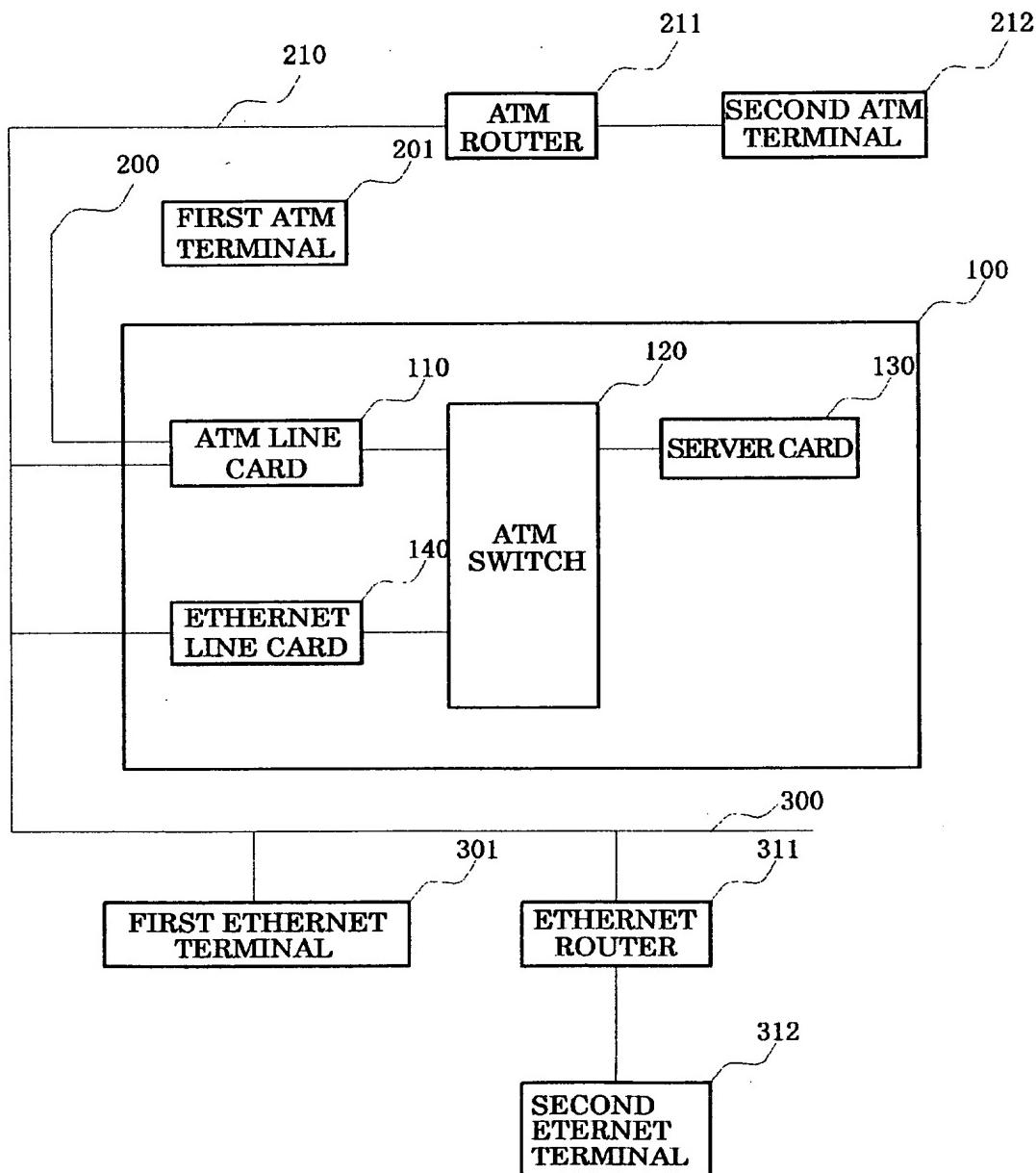


FIG. 6

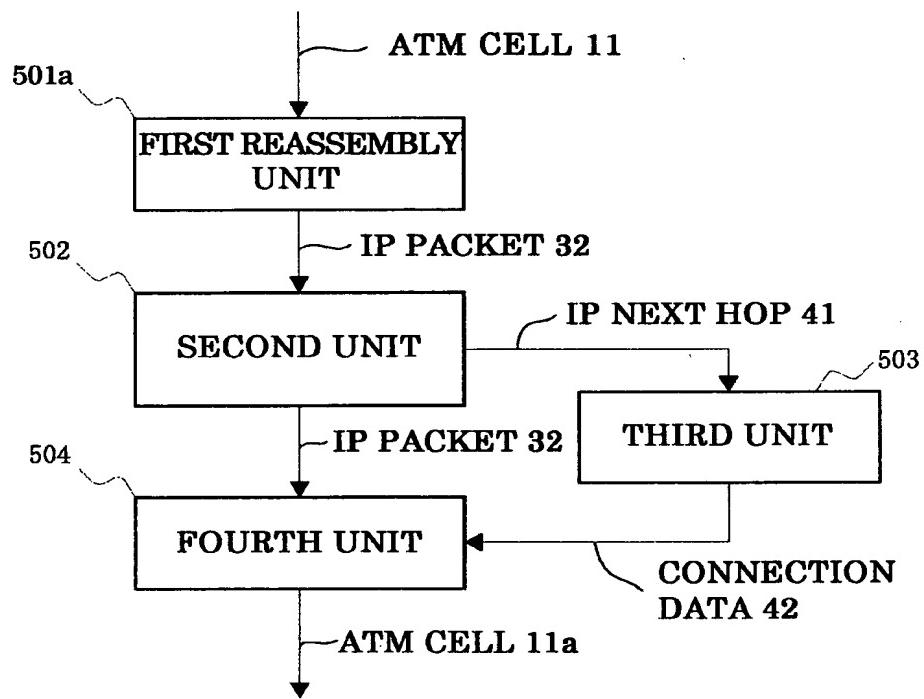


FIG. 7

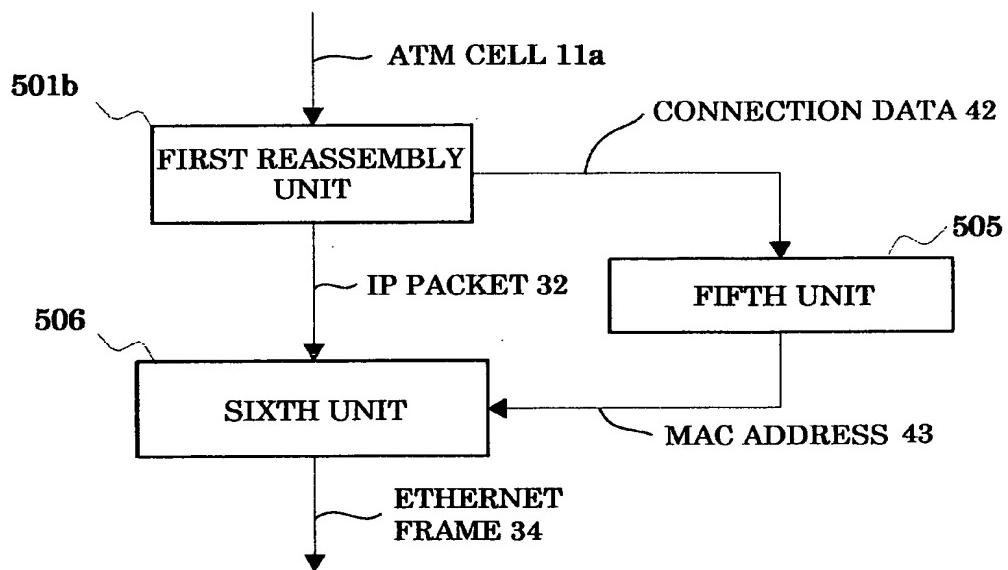


FIG. 8

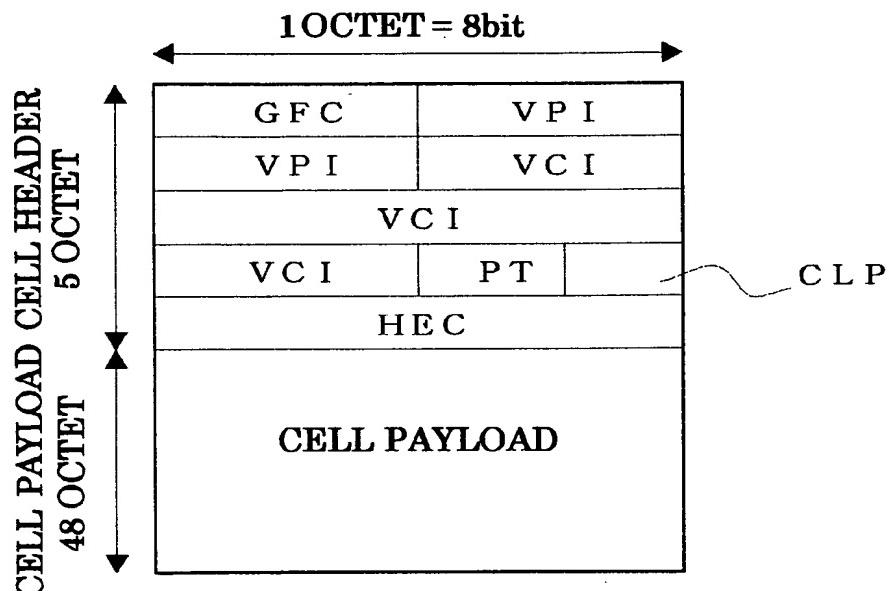
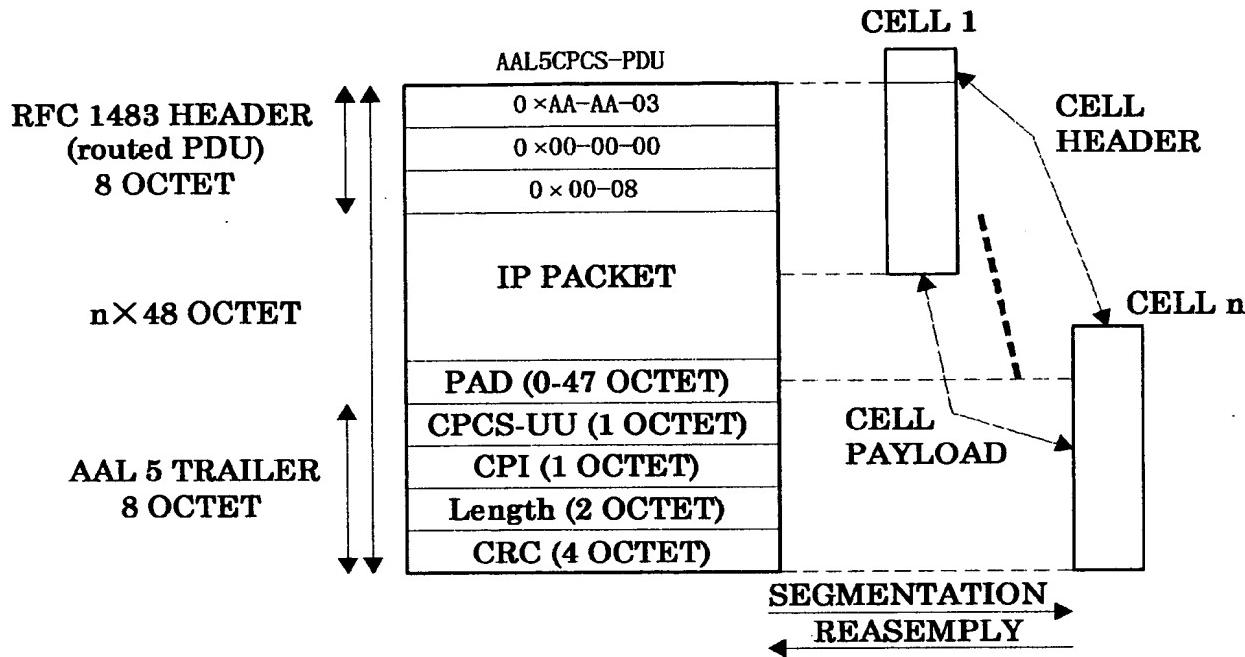


FIG. 9



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FIG. 10

IP ADDRESS OF RECEIVER	IP NEXT HOP
IP ADDRESS OF FIRST ATM TERMINAL 201	IP ADDRESS OF FIRST ATM TERMINAL 201
IP ADDRESS OF SECOND ATM TERMINAL 212	IP ADDRESS OF ATM ROUTER 211
IP ADDRESS OF ETHERNET TERMINAL 301	IP ADDRESS OF ETHERNET TERMINAL 301
IP ADDRESS OF ETHERNET TERMINAL 312	IP ADDRESS OF ETHERNET ROUTER 311

601
41a
41b
41c
41d

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FIG. 11

IP ADDRESS OF RECEIVER	CONNECTION DATA
IP ADDRESS OF FIRST ATM TERMINAL 201	42a
IP ADDRESS OF ATM ROUTER 211	42b
IPADDRESS OF ETHERNET TERMINAL 301	42c
IP ADDRESS OF ETHERNET ROUTER 311	42d

602

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FIG. 12

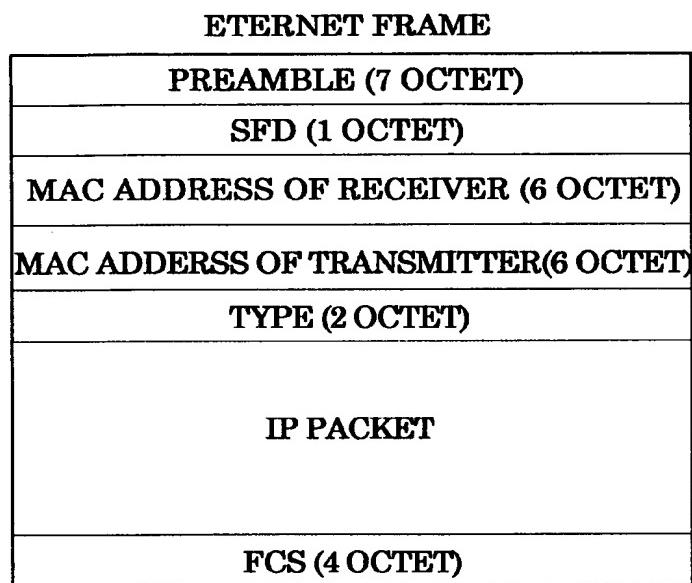
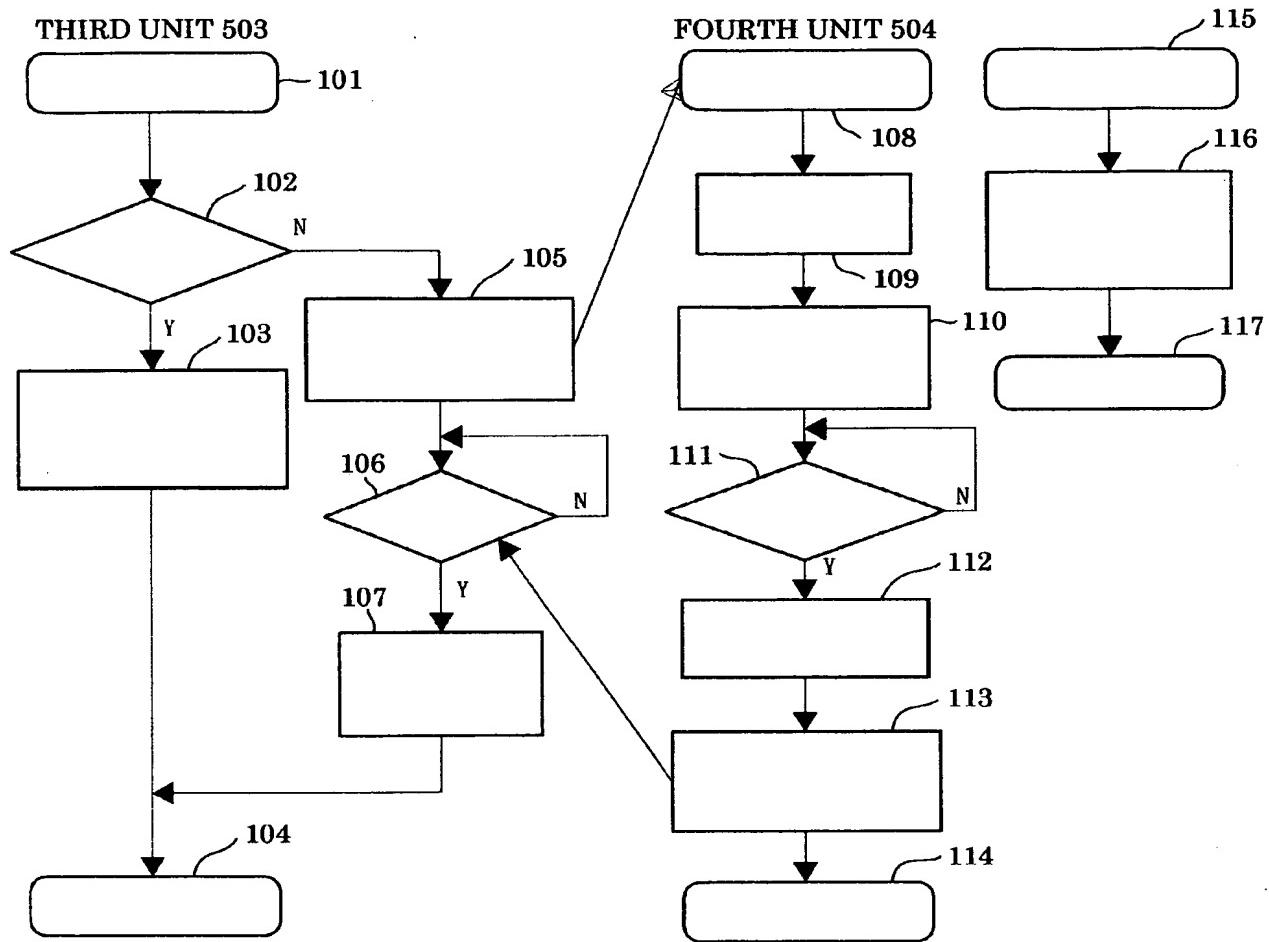


FIG. 13

CONNECTION DATA	MAC ADDRESS
42c	MAC ADDRESS OF ETHERNET TERMINAL 301
42d	MAC ADDRESS OF ETHERNET ROUTER 311

The diagram shows three wavy lines originating from the right side of the table rows. The top line points to the label '603' located above the table. The middle line points to the label '43c' located to the right of the table. The bottom line points to the label '43d' located to the right of the table.

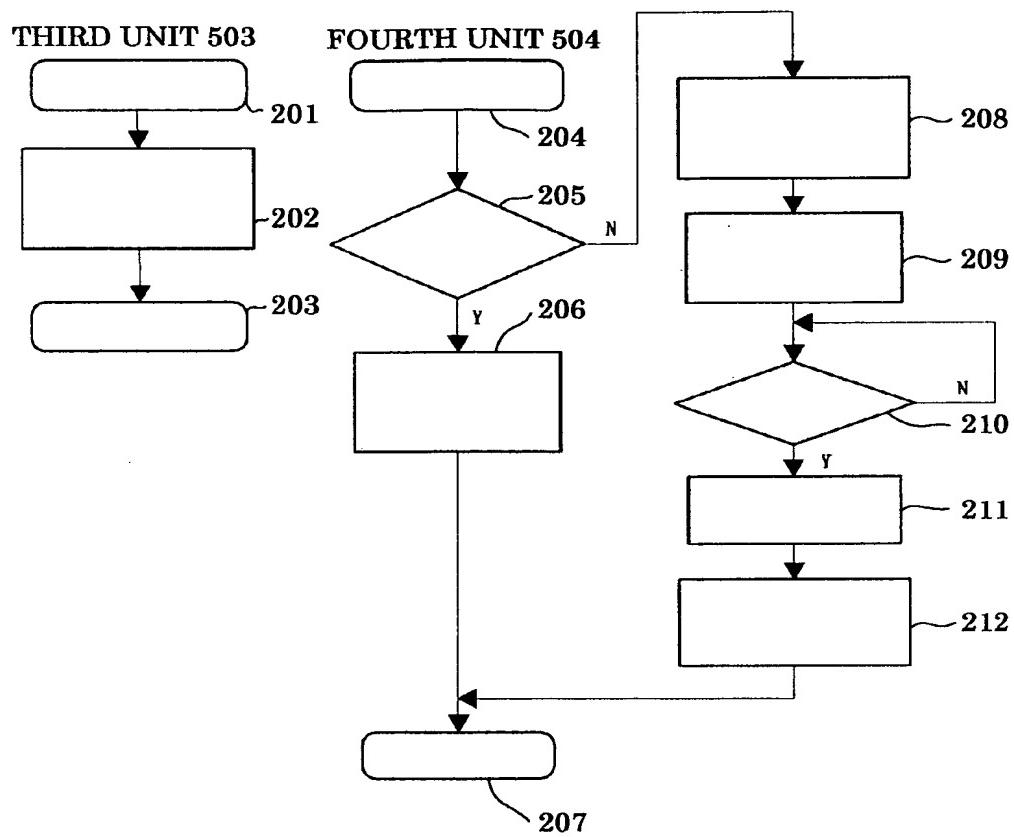
FIG. 14



101 : RECEIVING IP PACKET 32x
 102 : IS CONNECTION DATA INCLUDED ?
 103 : FINDING CONNECTION DATA 42x
 104 : TRANSMITTING CONNECTION
 DATA 42x
 105 : TRANSMITTING ATM ARP PACKET
 106 : IS RESPONSE RECEIVED ?
 107 : STORING RELATION
 108 : RECEIVING ATM ARP PACKET
 109 : ASSIGNING NON-USED CONNECTION
 DATA 42x
 110 : TRANSMITTING ARP PACKET

111 : IS RESPONSE RECEIVED ?
 112 : EXTRACTING MAC ADDRESS 43x
 113 : STORING RELATION
 114 : TRANSMITTING MAC ADDRESS 43x
 115 : RECEIVING CONNECTION DATA 42x
 116 : FINDING MAC ADDRESS 43x
 117 : TRANSMITTING MAC ADDRESS 43x

FIG. 15



201 : RECEIVING IP PACKET 32y
202 : PRODUCING CONNECTION DATA 42y
203 : TRANSMITTING CONNECTION DATA 42y
204 : RECEIVING CONNECTION DATA 42y
205 : IS CONNECTION DATA REGISTERED ?
206 : FINDING MAC ADDRESS 43y
207 : TRANSMITTING MAC ADDRESS 43y

208 : DEFINING IP NEXT HOP 41y
209 : TRANSMITTING ARP PACKET
210 : IS RESPONSE RECEIVED ?
211 : EXTRACTING MAC ADDRESS 43y
212 : STORING RELATION

FIG. 16

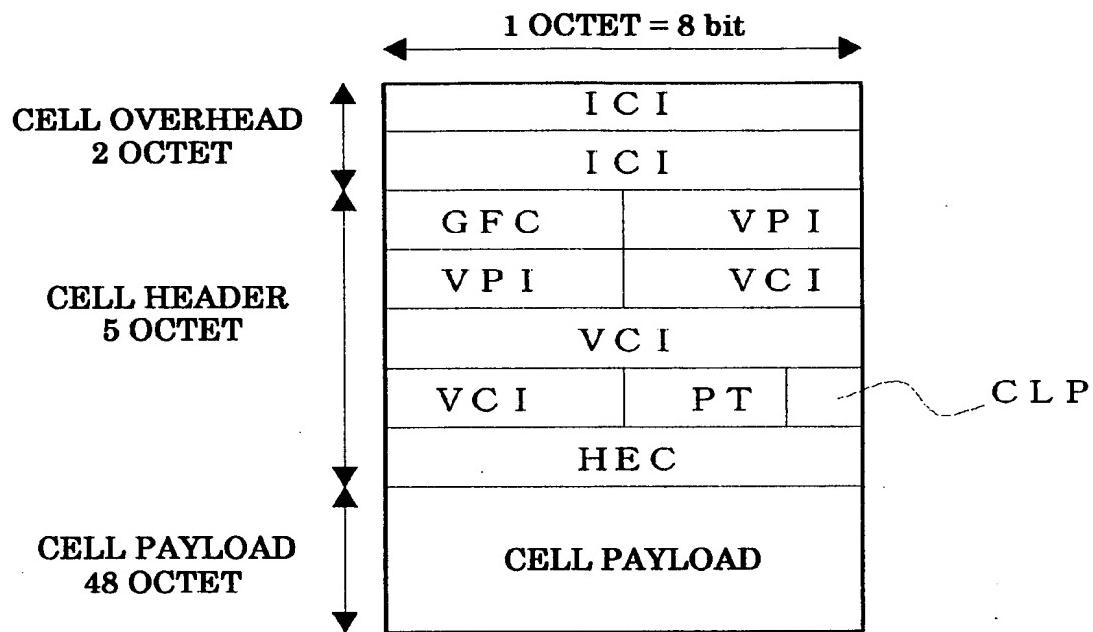


FIG. 17

